



Connection offline

Technical Service Bulletin

Transaction No.: 2078397/5

01-25-04 - DTC P0456 Software Update and Hardware Check

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Taos	2022 - 2024	1.5T (DNKA)	All	All	All
Jetta	2022 - 2024	1.5T (DNKA)	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2078397/4	06/24/2026	01-25-04	Updated warranty table.
2078397/3	12/10/2025	01-25-04	Updated warranty table.
2078397/2	11/3/2025	01-25-04	Update to Step 3 directions.
2078397/1	06/23/25	01-25-04	Original publication.

Customer states MIL-ON with P0456 found in the Engine/Motor Control Module -J623-.

Technical Background

The following fault code must be stored in the Engine/Motor Control Module -J623- (ECM) Fault Memory:

DTC	Description
P0456	EVAP Emission Contr. Sys. (very small leak) Leak Detected



NOTICE

DO NOT diagnose or replace components before performing the procedure below.

Production Solution

Updated Engine/Motor Control Module -J623- software introduced in production.

Service

MY-2022-23: PROCEED TO STEP 1

MY-2024 ONLY: PROCEED DIRECTLY TO STEP 3

STEP 1: Check currently installed software part # and version against table below.

If necessary, perform update found in Step 2. If vehicle software is already up to date, proceed to Step 3.

STEP 2: Update-Programming Procedure:



WARNING

Critical Warning: The Midtronics battery charger must be connected to the vehicle battery for the duration of the programming, to ensure the battery state of charge remains above 12.5 volts during the update process. If the battery drops below 12.5 volts, the programming could fail which may result in damage to the control module. Control modules damaged by inadequate voltage will not be covered under the warranty policy. The technician should verify the vehicle voltage prior to starting the update process, and should monitor the voltage for the duration of the update.

- The pr may cancel itself if the hazard warning lights are not switched ON. The hazard warning lights prevent the system from switching to bus sleep mode during the update procedure.
- ODIS-Service Service tester should be updated to the latest GFF technical version 25.0.2 or higher and SW version 2.53.1 or higher



CAUTION

Radiator Fan(s) may cycle ON high speed during the Update Process! There is a risk that personal injury may result if contact is made with spinning fan blades.

- Keep hands and all objects away from Radiator Fan(s) during Update Process.



NOTICE

Prior to launching the ODIS Service diagnostic applications and starting control module update process, confirm tester screen saver and power settings in accordance with Diagnostic Device Hardware & Windows® - VHW-20-02 Change Power Options After Windows®10 Upgrade. Failure to do so may result in the tester entering power save mode during data transfer, and subsequent control module failure. When using a VAS 6150/X or 6160/X tester in conjunction with a VAS 6154 wireless transmitter head for a flash procedure, connect a USB cable between the transmitter head and the tester. Failure to do so may lead to errors during the flash procedure.

- VAS tools must only be used with their power adapters plugged in. Under no circumstances should they be used on battery power alone during the programming procedure.



To Update- Programming using Software Version Management (SVM), review and follow instructions in Technical Bulletin Instance 2014603 “Software Version Management”.

The SVM process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim or action is carried out that is not explicitly stated in the Technical Bulletin.

Update the Engine/Motor Control Module -J623- using the SVM Unit code as listed in the table below:

MY- 2023 Software Table:

Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
Taos	1.5T DNKA	05E906013BC	3109 2645 2495 2251 1845	05E906013BC	3314	4C6D
		05E906013BD	3110 2646 2496 2252 1846	05E906013BD	3315	
		05E906013BF	3113 2648 2515 2336 2136	05E906013BF	3317	
		05E906013BH	3114 2650 2516 2339 2137	05E906013BH	3319	

		05E906013BE	3111 2647 2497 2253 1847	05E906013BE	3316	
		05E906013BG	3112 2649 2498 2254 1848	05E906013BG	3318	
Jetta	1.5T DNKA	05E906013BA	3117 2643 2494 2301 1843	05E906013BA	3322	4C6D
		05E906013BB	3116 2644 2493 2302 1844	05E906013BB	3321	
		05E906013AT	3115 2642 2492 2300 1842	05E906013AT	3320	

MY-2022 Software Table:

Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
Taos	1.5T DNKA	05E.906.013.B	3118 2635 2530 1934	05E.906.013.B	3308	4CB9

[illegible]

			0637			
Jetta	1.5T DNKA	05E.906.013.A	3133	05E.906.013.A	3307	4CB9
			2634			
			2527			
			2426			
			2304			
			2150			
			1930			
			1288			
			0948			
		05E.906.013.D	3132	05E.906.013.D	3310	4CB9
			2637			
			2528			
			2425			
			2305			
			1929			
			1289			
			0963			
		05E.906.013	3131	05E.906.013	3306	4CB9
			2633			
			2526			
			2424			
			2303			
			1927			
			1287			
			0947			



The procedure can be found in GFF under Functions/ Component Selection, Software Version Management, Adapting Software.

Ensure attached ECM/TCM Tuning Form has been completed and signed by customer as required in SVM Technical Bulletin Instance 2014603.



CAUTION

Only perform the below tank integrity test in self-diagnosis mode if the above software update was completed during this diagnostic session. Otherwise, follow the test plan populated by the tester for DTC P0456 within Guided Fault Finding.

STEP 3: Perform tank integrity test:

Under the Self-diagnosis tab: 0001 – Engine Electronics > Control module OBD > Basic setting > Fuel tank integrity test > Add measured values IDE 07257 “tank pressure from leakage diagnosis, calculated” and IDE 05622 “Status of tank leak diagnosis with electrical diagnostic pump” > Start test.



The Test may take up to 15 minutes to complete. After starting test, status should change to “routine active”.

If routine or test plan ends successfully with “correct result” and software update was not required, this TSB does not apply.

If routine or test plan ends successfully with “incorrect result” proceed to Step 4.

STEP 4: Inspect, and if necessary, replace purge line with -N80-

Focus special attention to the area circled in Figure 1.

Figure 1:

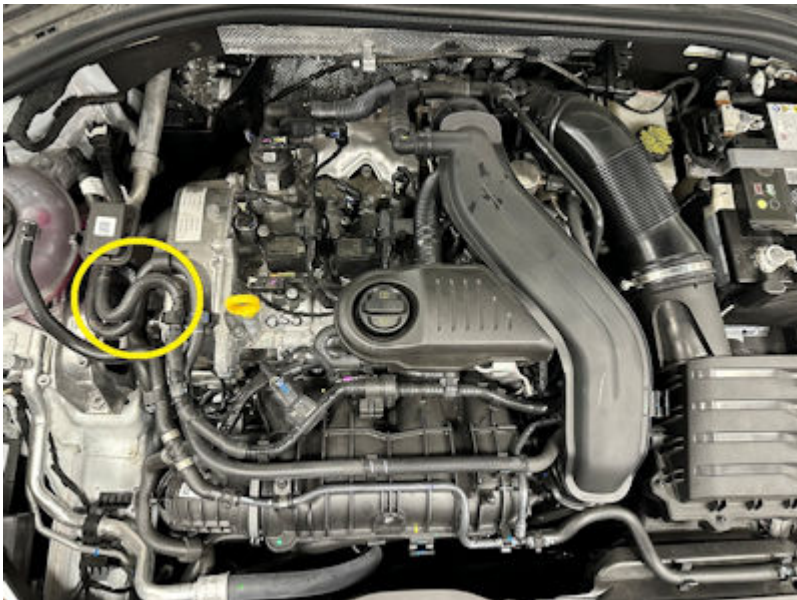
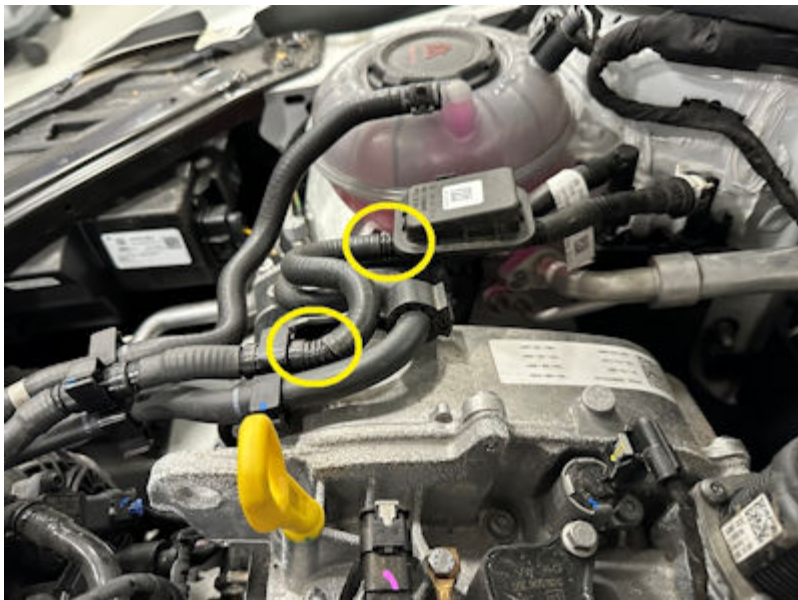


Figure 2 highlights two sections of the purge line from figure 1 that are prone to cracking.

Figure 2:



If a leak is found from the corrugated purge line (shown above) remove and replace the component.

If a leak is not identified from the corrugated purge line, further diagnosis is required. In this case, this TSB no longer applies.

Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code (s)	VIN Range From	VIN Range To
Taos	2022- 2024	1.5T (DNKA)	All	All	All
Jetta	2022- 2024	1.5T (DNKA)	All	All	All
SAGA Coding					
Claim Type:		Use applicable Claim Type ¹⁾			
Service Number:	Damage Code		HST	Damage Location (Depends on Service No.)	
2024 (If ACF valve is replaced)	0050		--	--	
2470					

(If SVM update was performed without ACF valve replacement)	0039	--	--
Parts Manufacturer	Taos / Jetta		3ME ²⁾ DKN (If ACF valve is replaced)
Labor Operation ³⁾ : Charge Battery		27068950 = See Elsa for latest time units	
Labor Operation ³⁾ : GFF and tank integrity test		20105599 = 40 TU	
Labor Operation ³⁾ : Update Programming Engine/Motor Control Module -J623- (Only if SVM update is required)		24705599 = 50 TU	
Labor Operation ³⁾ : ACF valve remove+reinstall (Only if ACF valve is replaced)		20241945 = See ELSA for latest time units	
Causal Part: (If ACF valve is replaced)		05E133366BK	
Causal Part: (If SVM update was performed without ACF valve replacement)		24705599	
Causal Part: (If SVM update was not performed and ACF valve was not replaced)		20105599	
Diagnostic Time ⁴⁾			
GFF Time expenditure	01500060 = 00 TU	NO	
Road Test	01210004 = 10 TU	YES	
Technical Diagnosis	01320000 = 00 TU	NO	
Claim Comment: Input “As per Technical Bulletin 2078397” in comment section of Warranty Claim.			
1) Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.			
2) Code per warranty vendor code policy.			
3) Labor Time Units (TUs) are subject to change with ELSA updates.			
4) Documentation required per Warranty Policies and Procedures Manual.			

Required Parts and Tools

No Special Parts required.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	GRX3000VAS or MTRMSP0702 battery maintainer/charger
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X and ODIS Service with current online updates

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.

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OWNER INFORMATION ABOUT CONTROL MODULE TUNING* ACKNOWLEDGEMENT AND AUTHORIZATION FOR REPROGRAMMING (REFLASHING) OF CONTROL MODULE(S)

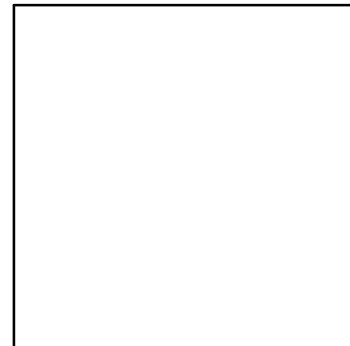
*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen Group of America / Volkswagen Group Canada.

Date: _____

Dealer Number: _____

Vehicle Identification Number: _____

Repair Order Number: _____



Dealer stamp

I _____, owner or driver of the above identified Volkswagen, confirm:

☐ "Tuning" as described above (especially power increasing modifications) has NOT been performed on my vehicle.

☐ "Tuning" as described above has been performed on my vehicle and the following components were modified or installed:

TUNING was performed by (Please provide Company name and telephone number, if you wish us to contact them):

I understand that if my Control Module is determined to have been tuned, any damage caused by the tuning of the Control Module (including adverse emissions consequences) will not be covered by VWGoA / VGC warranties.

I am permitting an authorized Volkswagen Dealer to reflash (update) my Control Module, and by doing so, I understand that this process will automatically overwrite (destroy) and permanently delete any tuning program that was previously installed on the Control Module of my Volkswagen vehicle.

By signing below, I fully acknowledge and understand that the tuning program will not be restored and VWGoA / VGC, will not be liable in any way for the loss of tuning data.

Signature of Customer